

DATA SHEET

Premium Efficiency Motor: **LAM100-36-405TS,**

60 Hz

WorldWide Electric Corporation

1 (800) 808-2131

Worldwideelectric.net



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MOTOR INFORMATION

HP	100
RPM	3600
Phase	3
Frequency	60 Hz
Voltage	208-230/460
Frame Size	404/5TS
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	2
Full Load Speed	3571
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	0.81%
NEMA Design	B
Moment of Inertia	11.532 lb.ft.^2
Locked Rotor Time (Hot)	12 seconds
Sound Pressure Level	102 dB(A)
Number of Starts	2 Cold/1 Hot
Max Ambient Temperature	40°C
Max Elevation	1000 m.a.s.l (3300 f.a.s.l)
Mounting	F1
Rotation	Bi-Directional
Area of Classification	Class 1 Division 2 Groups A,B,C,D T3B
Inverter Rating	10:1 CT / 20:1 VT
Standard	NEMA MG-1
Approvals	UL, CE, IEEE45

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	94.1 %	0.91
75%	94.2 %	0.90
50%	92.9 %	0.86

TORQUE

FULL LOAD	LRT	BDT
147.8 lb.ft.	268 %	319 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	218.6A	109.3
Locked Rotor Amps	1485.6A	742.8A
No Load Current	50.6A	25.3A
Usable at 208V	241.7 A	

BEARING INFORMATION

DE Bearing	6316 C3
ODE Bearing	6313 C3
Grease Type	Mobil Polyrex EM
DE Regreasing Interval	2400 Hours
ODE Regreasing Interval	3600 Hours
Grease Quantity	33g/23g

ADDITIONAL DATA

F2 Suitable	YES
Shaft Material	AISI 1045
Connection Diagram	12 Lead Delta
Approximate Weight	1122.2 lbs.

PERFORMANCE CURVES

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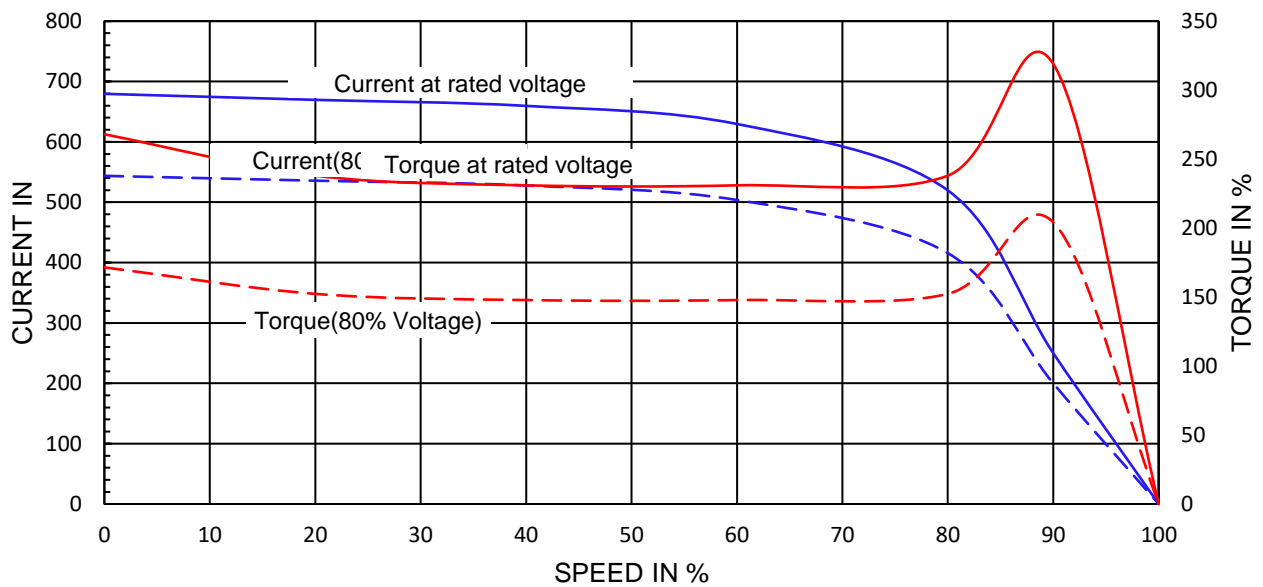
Premium Efficiency Motor:

LAM100-36-405TS

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Motor Type	LAM		
Output Rating (HP)	100	FL Speed	3571
Full Load Torque	147.8 lb.ft	LRT (%FLT)	268
		460 volt FLA	109.3
Rotor Wk ²	11.532 lb-ft ²	BDT (%FLT)	319
		230 volt FLA	218.6A

SPEED VS TORQUE & CURRENT CURVE



OUTPUT VS EFF., P.F. & CURRENT CURVE

